Forest Products Journal Index

Articles are listed in three ways: by title, by subject, and by author. Title and subject listings are combined and appear first. The titles are listed alphabetically, with leading articles "A," "An," and "The" omitted. Whenever possible, subject listings are grouped under title of the Society's 11 process-oriented Subject-Matter Divisions, (listed below) with the Division's title printed in boldface capital letters, and appropriate subdivisions printed in upper and lower case boldface. Thus, **GLUES AND GLUING PROCESSES** will include listings on **Adhesives, Plywood, Glue Lam, Sandwich Construction, Assemblies,** and **End-** and **Edge-Gluing.** Where appropriate, additional boldface subheadings have been included, and many articles have been cross-referenced under several headings. For example, articles on Douglas-fir plywood may be found under **GLUES AND GLUING PROCESSES, WOOD ENGINEERING,** and **Douglas-fir.**

The **Author Index** contains an entry for every author. For articles with a single author, the list gives author's name, subject, issue number, and page. For articles with two or more authors, the listing for the first author gives all names, subject, issue number, and page; listings for co-authors refer back to the first author.

Note: Reprints or photo copies of all articles listed in this index are available. The reprint order number and the price per single copy are listed in parentheses following the page citation in the Author Index. Prices are based on 20 cents per printed page. Special rates are available on bulk orders. Check or money order must accompany all orders.

FPRS Subject-Matter Divisions

Division 1: **Anatomy and Fundamental Properties,** covers such subjects as wood structure, chemical properties, physical properties, and biological properties.

Division 2: **Timber Production,** covers forestry, harvesting, transportation, woods mechanization, and forest economics.

Division 3: **Mechanical Conversion,** covers sawing, veneer cutting, machining, sanding, and fractionization (chipping, flaking, defiberating, refining).

Division 4: **Chemical Conversion,** covers derived products, pulping, and modification.

Division 5: **Particle and Fiber Processes,** covers particleboard, flakeboard, pulp and paper board, flakeboard, hardboard, molded products, and plastic laminates.

Division 6: **Glues and Gluing Processes,** covers adhesives, plywood glue lam, sandwich construction, assemblies, end and edge gluing.

Division 7: **Treatments and Coatings,** covers preservation, fire resistance, exterior finishing, interior finishing.

Division 8: **Drying,** covers kiln drying, air seasoning, veneer drying, special products (chips, particles, fibers), and moisture-use relations.

Division 9: **Wood Engineering,** covers mechanical properties, grades and grading, structural fastenings, engineered products (timber construction, structural sandwiches, framed construction, others).

Division 10: **Production Management,** covers materials handling, plant layout, production control, work measurements, automation, and quality control.

Division 11: **Marketing,** covers codes and legislation, product standards, packaging, distribution, and promotion.

FPRS Title and Subject Index . . . Vol. XII, 1962

A

Adhesives: See Glues & Gluing Processes.

Air Seasoning: See Drying.

Analysis of Resin Efficiency in Particleboard, Carroll, M., and McVey, D., 7: 305.

ANATOMY AND FUNDAMENTAL PROPERTIES

General

Fifteen Years of Forest Products Research — And A Look Ahead At the Next Fifteen, Locke, E. G., 9: 393.

Forest Products in Pakistan, Barefoot, Jr., A. C., 8: 389.

Forest Products Research in the Philippines, Hunt, G. M., 1: 46.

French Technical Center for Tropical Forestry, Devois, J. C., 4: 191.

Look at Wood Engineering Since 1957, Schniewind, A. P., 8: 343.

Research — A Basis for Structural Engineering With Wood, Liska, J. A., 8: 353.

Biological Properties

Bacterial Deterioration of Pine Logs in Pond Storage, Knuth, D. T., and McCoy, E., 9: 437.

Chemical Properties

Annual Review of Lignin Chemistry, Pearl, I. A., 3: 141.

Basic Research on the Pyrolysis and Combustion of Wood, Eickner, H. W., 4: 194.

Cause and Control of Brown Stain in Western Hemlock, Evans, R. S., and Halvorson, H. N., 8: 367.

Chemical Conversion of Wood Residues, Part V: Kinetics of the Acid Catalyzed Conversion of Glucose to 5-Hydroxymethyl-2-Furaldehyde and Levulinic Acid, McKibbins, S. W., Harris, J. F., Saeman, J. F., Neill, W. K., 1: 17.

Chemicals from Lignin by Nucleophillic Demethylation, Goheen, D. W., 10: 471.

Chemistry of Western White Pine Bark, Nickles, W. C., and Rowe, J. W., 8: 374.

Inorganic Constituents of Wood, Ellis, E. L., 6: 271.

Kinetics of Changes in Acidity During Thermal Degradation of Wood from Three Australian Species, Kauman, W. G., 6: 275.

Physical Properties

Changes in Dimension on Heating Green Wood, Yokota, T., and Tarkow, H., 1: 43.

Dimensional Stability of Particleboard, Bryan, E. L., 12: 572.

Dynamic Strength and Elastic Properties of Wood, James, W. L., 6: 253.

Effect of Gamma Radiation on the Toughness of Wood, Loos, W. E., 6: 261.

Effect of Heat and Humidity on the Properties of High-Pressure Laminates, Heebink, B. G., Haskell, H. H., 11: 542.

Effect of Presteaming on Seasoning, Stain, and Drying Rate of Redwood, Ellwood, E. L., and Erickson, R. W., 7: 328.

Influence of Temperature on Creep in Wood, Davidson, R. W., 8: 377.

Influence of Specific Gravity and Certain Other Factors on the Tensile Properties of Wood, Kellogg, R. M., and Ifju, G., 10: 463.

Permeability of Douglas-Fir Heartwood from Western Washington, Erickson, H. D., and Estep, E. M., 7: 313.

Physical Properties of 101 Chinese Woods, Chen, C. L., 7: 339.

Radiation Grafting of Vinyl Monomers to Wood, Kenaga, D. L., Fennessey, J. P., and Stannett, V. T., 4: 161.

Relationship Between the Cutting Properties of Wood and Its Physical and Mechanical Properties, McKenzie, W. M., 6: 287.

Restraint in Compression Test of Orthotropic Materials, Kobayashi, S., 10: 489.
Rheology and the Study of Wood, Pentoney, R. E., and Davidson, R. W., 5: 243.
Some Variables Affecting Microtensile Strength of Douglas-Fir, Ifju, G., and Kennedy, R. W., 5: 213.
Stabilizing Effects of Overlays on Wood, Wangaard, F. F., 5: 228.
Stabilization of Wood: A Review of Current Methods, Stamm, A. J., 4: 158.
Stress Distribution in the Wood Ahead of A Cutting Tool, Mote, Jr., C. D., and Thomsen, E. G., 9: 447.
Tensile Strength Perpendicular to Grain as a Function of Moisture Content in California Black Oak, Schniewind, A. P., 5: 249.
Water-Content Variation in the Standing Aspen Tree, Bendtsen, B. A., and Rees, L. W., 9: 426.
Water Relations in Phenolic (Plywood) Bonds, Northcott, P. L., Hancock, W. V., and Colbeck, H. G. M., 10: 478.
Wettability of Wood, Gray, V. R., 9: 452.
Wettability Related to Gluabilities of Five Philippine Mahoganies, Bodig, J., 6: 265.

Wood Structure
Factors Influencing the Wood Quality of Plantation-Grown Slash Pine, Sellers, Jr., T., 9: 443.
G Layer in Gelatinous Fibers — Electron Microscopic Studies, Cote, Jr., W. A., and Day A. C., 7: 223
Shrinkage of Cell Walls and Cell Cavities in Wood Microsections. Ellwood, E. L., and Wilcox, W. W., 5: 235.
Wood Structure Literature Trends, 1955-62, Cote, Jr., W. A., and de-Zeeuw, C., 5: 203.

Annual Review of Lignin Chemistry, Pearl, I. A., 3: 141.
An "Outside" Look At Forest Products Research, Baker, M. H., 9: 400.
Australian Division of Forest Products, Dadswell, H. E., 11: 558.
Automation: See Production Management.

Aspen
Water-Content Variation in the Standing Aspen Tree, Bendtsen, B. A., and Rees, L. W., 9: 426.
Azeotropic Drying of Hardwood Lumber, Maroney, W. H., 1: 7.

B

Bacterial Deterioration of Pine Logs in Pond Storage, Knuth, D. T., and McCoy, E., 9: 437.
Bark: See also Chemical Conversion.
Chemistry of Western White Pine Bark, Nickles, W. C., and Rowe, J. W., 8: 374.
Basic Research on the Pyrolysis and Combustion of Wood, Eickner, H. W., 4: 194.
Beyond Automation . . . The System Concept, Mater, M. H., 7: 295.
Brown Stain: See also Treatments and Coatings.
Cause and Control of Brown Stain in Western Hemlock, Evans, R. S., and Halvorson, H. N., 8: 367.
Building Code Approval for Your Product, Lindsay, Jr., W. H., 4: 180.
Bark Utilization
Progress in Chemical Conversion, Rowe, J. W., 3: 124.
Wood Products as Tablet-Disintegrating Agents, Billups, N. F., Cooper, B. F., 6: 277.

C

California Black Oak
Influence of Rate of Drying and Rewetting on the Dimensional Changes of California Black Oak, Schniewind, A. P., and Kersavage, P. C., 1: 29.
Tensile Strength Perpendicular to Grain as a Function of Moisture Content in California Black Oak, Schniewind, A. P., 5: 249.

California Redwood
Effect of Drying Conditions on Durability of California Redwood, Anderson, A. B., Duncan, C. G., and Scheffer, T. C., 7: 311.
Solvent Drying of California Redwood, Anderson, A. B., Fearing, W. B., and Wilkie, C. R., 10: 493.

Carvings
Protect Imported Carvings with PEG, Mitchell, H. L., and Fobes, E. W., 10: 476.

Casein: See Glues & Gluing Processes
Cause and Control of Brown Stain in Western Hemlock, Evans, R. S., and Halvorson, H. N., 8: 367.
Cellulose: See Chemical Conversion
Changes in Dimension on Heating Green Wood, Yokota, T., and Tarkow, H., 1: 43.

CHEMICAL CONVERSION
Annual Review of Lignin Chemistry, Pearl, I. A., 3: 141.
Chemical Conversion of Wood Residues, Part V: Kinetics of the Acid Catalyzed Conversion of Glucose to 5-Hydroxymethyl-2-Furaldehyde and Levulinic Acid, McKibbins, S. W., Harris, J. F., Saeman, J. F., Neill, W. K., 1: 17.
Chemicals from Lignin by Nucleophillic Demethylation, Goheen, D. W., 10: 471.
Chemistry of Western White Pine Bark, Nickles, W. C., and Rowe, J. W., 8: 374.
Fifteen Years of Forest Products Research — And A Look Ahead At the Next Fifteen, Locke, E. G., 9: 333.
Inorganic Constituents of Wood, Ellis, E. L., 6: 271.
Progress in Chemical Conversion, Rowe, J. W., 3: 124.
Wood Products As Tablet-Disintegrating Agents, Billups, N. F., and Cooper, B. F., 6: 280.

Chemical Seasoning: See Drying
Collapse
Collapse Intensity in Two Eucalypts After Treatment with Hydrochloric Acid and Sodium Chloride Solutions, Pankevicius, E. R., 1: 39.

Combustion: See also Treatments & Coating
Basic Research on the Pyrolisis and Combustion of Wood, Eickner, H. W., 4: 194.
Commonwealth Forestry Bureau, Oxford, England, Robertson, F. C. F., 10: 509.
Complete Quality Assurance Program, Huprich, C. A., 9: 419.

Compression tests
Restraint in Compression Test of Orthotropic Materials, Kobayashi, S., 10: 489.
Computer Control System at Potlatch Forests, Inc., Linkhart, Robert, 11: 539.
Condensation Control in Stressed Skin and Sandwich Panels, Platts, R. E., 9: 429.
Condensation in Air-Cooled Buildings, Verrall, A. F., 11: 531.
Construction of a Simple Vacuum-Pressure Cylinder, Markley, J. H., 8: 384.

Construction: See Wood Engineering.
Cost Reduction: See also Production Management
Organizing a Cost Reduction Program, Wood, O. T., 9: 410.

Creep
Influence of Temperature on Creep in Wood, Davidson, R. W., 8: 377

D

Design Criteria for Wood Floor Systems, Williston, E. M., and Abner, T. L., 9: 403.
Determining Seasoning Degrade in Kiln Drying Western Softwoods, Knauss, A. C., 1: 34.

Dimensional Stabilization: See also Treatments and Coatings.
Dimensional Stability of Particleboard, Bryan, E. L., 12: 572
Changes in Dimension on Heating Green Wood, Yokota, T., and Tarkow, H., 1: 43.
Protect Imported Carvings with PEG, Mitchell. H. L., Fobes, E. W., 10: 476.
Radiation Grafting of Vinyl Monomers to Wood, Kenaga, D. L., Fennessey, J. P., and Stannett, V. T., 4: 161.
Stabilization of Wood: A Review of Current Methods, Stamm, A. J., 4: 158.
Stabilizing Effects of Overlays on Wood, Wangaard, F. F., 5: 228.

Douglas-Fir
Permeability of Douglas-Fir Heartwood from Western Washington, Erickson, H. D., and Estep, E. M., 7: 313.
Some Variables Affecting Microtensile Strength of Douglas-Fir, Ifju, G., and Kennedy, R. W., 5: 213.

DRYING
New Tools Highlight Wood Drying, Millett, R. S., 1: 1.
Air Drying
Potential of the Forced Air-Drying of Northern Hardwoods, Gatslick, H. B., 8: 385.
Azeotropic Drying of Hardwood Lumber, Maroney, W. H., 1: 7.
Collapse Intensity in Two Eucalypts After Treatment with Hydrochloric Acid and Sodium Chloride Solutions, Pankevicius, E. R., 1: 39.
Effect of Drying Conditions on Durability of California Redwood, Anderson, A. B., Duncan, C. G., and Scheffer, T. C., 7: 311.
Effect of Presteaming on Seasoning, Stain and Drying Rate of Redwood, Ellwood, E. L., and Erickson, R. W., 7: 328.

Kinetics of Changes in Acidity During Thermal Degradation of Wood from Three Australian Species, Kauman, W. G., 6: 275.
Permeability of Douglas-Fir Heartwood from Western Washington, Erickson, H. D., and Estep, E. M., 7: 313.
Solvent Drying of California Redwood, Anderson, A. B., Fearing, W. B., and Wilke, C. R., 10: 493.

Kiln Drying
Determining Seasoning Degrade in Kiln Drying Western Softwoods, Knauss, A. C., 1: 34.
Study of the Kiln-Drying of Chemically Seasoned Lumber, Haygreen, J. G. 1: 11.

Moisture-Use Relationship
Changes in Dimension on Heating Green Wood, Yokota, T., and Tarkow, H., 1: 43.
Condensation Control in Stressed Skin and Sandwich Panels, Platts, R. E., 9: 429.
Condensation in Air-Cooled Buildings, Verrall, A. F., 11: 531.
Influence of Rate of Drying and Rewetting on the Dimensional Changes of California Black Oak, Schniewind, A. P., and Kersavage, P. C., 1: 29.
Influence of Temperature in Creep on Wood, Davidson, R. W., 8: 377.
Moisture Content of House Framing, Hopkins, W. C., 8: 363.
Seasoning Lumber to Meet Rigid Moisture Specifications, Nelson, D. E., 1: 24.
Shrinkage of Cell Walls and Cell Cavities in Wood Microsections, Ellwood, E. L., and Wilcox, W. W., 5: 235.
Tensile Strength Perpendicular to Grain as a Function of Moisture Content in California Black Oak, Schniewind, A. P., 5: 249.

Solar Radiation
Drying by Solar Radiation in Puerto Rico, Maldonado, E. D., and Peck, E. C., 10: 487.
Drying 4/4 Red Oak by Solar Heat, Peck, E. C., 3: 103.

Special Products
Protect Imported Carvings With PEG, Mitchell, H. L., and Fobes, E. W., 10: 476.
Dynamic Equilibrium in Veneer Cutting, Hoadley, R. B., 3: 116.
Dynamic Strength and Elastic Properties of Wood, James, W. L., 6: 253.

E

Effect of Drying Conditions on Durability of California Redwood, Anderson, A. B., Duncan, C. G., and Scheffer, T. C., 7: 311.
Effect of Gamma Radiation on the Toughness of Wood, Loos, W. E., 6: 261.
Effect of Heat and Humidity on the Properties of High-Pressure Laminates, Heebink, B. G., Haskell, H. H., 11: 542.
Effect of Petroleum Carrier on Rate of Loss of Pentachlorophenol from Treated Stakes, Baechler, R. H., and Roth, H. G., 4: 187.
Effect of Resaws on Performance of Circular Headrig Sawmills, Landt, E. F., and Woodfin, Jr., R. O., 4: 172.
Effect of Presteaming on Seasoning, Stain, and Drying Rate of Redwood, Ellwood, E. L., and Erickson, R. W., 7: 328.

Electron Microscopy
G Layer in Gelatinous Fibers — Electron Microscopic Studies, Cote, W. A., Jr., and Day, A. C., 7: 333.

ENGINEERING: See Wood Engineering.
Engineering Safety into the Logging Operation, Pearce, J. K., 11: 516.
Epoxy Resin Adhesives for Gluing Wood, Olson, W. Z., and Blomquist, R. F., 2: 74.

Eucalypts
Collapse Intensity in Two Eucalypts After Treatment with Hydrochloric Acid and Sodium Chloride Solutions, Pankevicius, E. R., 1: 39.
Experimental Cut-Off Saw: Design and Operation, Johnston, J. S., 6: 283.
Exterior Durability of Factory-Primed Hardboard, Winchester, C. M., 3: 108.

F

Faced Poles Make Better Building Frames with Less Labor, Neetzel. J. R., Otis, C. K., 11: 527.
Factors Influencing the Wood Quality of Plantation-Grown Slash Pine, Sellers, Jr., T., 9: 443.
Factory Coated Redwood Sidings, Clausen, V. T., 4: 169.

Fibers
G Layer in Gelatinous Fibers, Cote, W. A., Jr., and Day, A. C., 7: 333.
Fifteen Years of Forest Products Research — And a Look Ahead At the Next Fifteen, Locke, E. G., 9: 393.

Finger Joints: See also Glues & Gluing Processes and Wood Engineering.
Finger Joints for Structural Usage, Madsen, B., and Littleford, T. W., 2: 68.
Geometry as an Independent Variable in Adhesive Joint Studies, A. A. Marra, 2: 81.
High-Strength Corner Joints for Wood, Richards, D. B., 9: 413.
Rapid, Continuous Method of Testing Glued End Joints, Bolger, R. J., and Rasmussen, C. A., 9: 422.

Finishing: See Treatments & Coatings.
Fire Insurance Rating Bureaus, Purcell, F. X., 4: 177.

Fire Retardants: See Treatments & Coatings.

Flakeboard: See Particle & Fiber Processes.

Floor System
Design Criteria for Wood Floor Systems, Williston, E. M., and Abner, T. L., 9: 403.

Forced-Air Drying
Potential of Forced-Air Drying of Northern Hardwoods, Gatslick, H. B., 8: 385.
Forest Products in Pakistan, Barefoot, Jr., A. C., 8: 389.
Forest Products Research in the Philippines, Hunt, G. M., 1: 46.
French Technical Center for Tropical Forestry, Devois, J. C., 4: 191.

Furaldehyde
Chemical Conversion of Wood Residues, Part V: Kinetics of the Acid Catalyzed Conversion of Glucose to 5-Hydroxymethyl-2-Furaldehyde and Levulinic Acid, McKibbins, S. W., Harris, J. F., Saeman, J. F., and Neill, W. K., 1: 17.
Future of Hardwood Utilization, Mersereau, H. S., 7: 302.

G

Gamma Rays
Effect of Gamma Radiation on the Toughness Of Wood, Loos. W. E., 6: 261.
Geometry as an Independent Variable in Adhesive Joint Studies, Marra, A. A., 2: 81.
G Layer in Gelatinous Fibers — Electron Microscopic Studies, Cote, Jr., W. A., and Day, A. C., 7: 333.

GLUES AND GLUING PROCESSES
Fifteen Years of Forest Products Research — And A Look Ahead At the Next Fifteen, Locke, E. G., 9: 393.
Progress in Glues and Gluing Processes, Blomquist, R. F., 2: 49.

Adhesives
Epoxy Resin Adhesives for Gluing Wood, Olson, W. Z., and Blomquist, R. F., 2: 74.
Urea-Formaldehyde Resins Modified with Water-Soluble Blood, Thomas, R. J., and Taylor, F. W., 3: 111.

End- and Edge-Gluing
Rapid, Continuous Method of Testing Glued End Joints, Bolger, R. J., and Rasmussen, C. A., 9: 422.

Joints
Finger Joints for Structural Usage, Madsen, B., and Littleford, T. W., 2: 68.
Geometry as an Independent Variable in Adhesive Joint Studies, Marra, A. A., 2: 81.
High Strength Corner Joints for Wood, Richards, D. B., 9: 413.

Laminates
Effect of Heat and Humidity on the Properties of High-Pressure Laminates, Heebink, B. G., Haskell, H. H., 11: 542.

Laminating
Inspection Practices in European Wood-Laminating Plants, Steinhaus, M., 2: 101.
New Method for Testing Glue Joints of Laminated Timbers in Service, Selbo, M. L., 2: 65.
Reinforced Wood Laminated Beams, Sliker, A., 2: 91.
Research on Design of Structural Glued-Laminated Material, Madsen, B., 10: 497.

Overlays
Stabilizing Effects of Overlays on Wood, Wangaard, F. F., 5: 228.
Effect of Heat and Humidity on the Properties of High-Pressure Laminates, Heebink, B. G., Haskell, H. H., 11: 542.

Plywood
Gluing Characteristics of Treated Sweetgum Veneer, Thompson, W. S., 9: 431.
In a Competitive Market . . . Five-Ply or Three-Ply Plywood?, Whyte, R. A., 2: 97.
Military Standard 414 Procedures Applied to Veneer Thickness, Wylie, A. E., and Cobler, W. E., 6: 277.
Water Relations in Phenolic (Plywood) Bonds, Northcott, P. L., Hancock, W. V., and Colbeck, H. G. M., 10: 478.

Wettability
Wettability of Wood, Gray, V. R., 9: 452.
Wettability Related to Gluabilities of Five Philippine Mahoganies, Bodig, J., 6: 265.

H

Hardboard: See also Particle and Fiber Processes.
Exterior Durability of Factory-Primed Hardboard, Winchester, C. M., 3: 108.

Hardwoods
Azeotropic Drying of Hardwood Lumber, Maroney, W. H., 1: 7.
Future of Hardwood Utilization, Mersereau, H. S., 7: 302.
Potential of the Forced Air-Drying of Northern Hardwoods, Gatslick, H. B., 8: 385.

Heartwood
Permeability of Douglas-fir Heartwood from Western Washington, Erickson, H. D., and Estep, E. M., 7: 313.

Helicopter Logging
Vertical Logging with Helicopters — When and How, Binkley, V. W., 11: 513.

Hemlock, western
Cause and Control of Brown Stain in Western Hemlock, Evans, R. S., and Halvorson, H. N., 8: 367.

High Strength Corner Joints for Wood, Richards, D. B., 9: 413.

How Durable is Particleboard?, Hann, R. A., Black, J. M., and Blomquist, R. F., 12: 577.

I

In A Competitive Market . . . Five-Ply or Three-Ply Plywood?, Whyte, R. A., 2: 97.

Industry-Education
A Look Ahead at the Industry, Barnett, S., 10: 502.
An Outside Look at Forest Products Research, Baker, M. H., 9: 400.
Building Code Approval for Your Product, Lindsay, W. H., Jr., 4: 180.
Fifteen Years of Forest Products Research — and A Look Ahead at the Next Fifteen, Locke, E. B., 9: 393.
Fire Insurance Rating Bureaus, Purcell, F. X., 4: 177.
Forest Products in Pakistan, Barefoot, A. C., 8: 389.
Forest Products Research in the Philippines, Hunt, G. M., 1: 46.
French Technical Center for Tropical Forestry, Devois, J. C., 4: 191.
Future of Hardwood Utilization, Mersereau, H. S., 7: 302.
Southern Trees by the Billions, Wheller, P. R., 7: 325.

Influence of Rate of Drying and Rewetting on the Dimensional Changes of California Black Oak, Schniewind, A. P., and Kersavage, P. C., 1: 29.

Influence of Specific Gravity and Certain Other Factors on the Tensile Properties of Wood, Kellogg, R. M., and Ifju, G., 10: 463.

Influence of Temperature in Creep on Wood, Davidson, R. W., 8: 377.

Inorganic Constituents of Wood, Ellis, E. L., 6: 271.

Inspection Practices in European Wood-Laminating Plants, Steinhaus, M., 2: 101.

K

Kiln Drying: See Drying.

Kinetics of Changes in Acidity During Thermal Degradation of Wood from Three Australian Species, Kauman, W. G., 6: 275.

L

Laminating
New Method for Testing Glue Joints of Laminated Timbers in Service, Selbo, M. L., 2: 65.
Reinforced Wood Laminated Beams, Sliker, Alan, 2: 91.
Research on Design of Structural Glued-Laminated Material, Madsen, B., 10: 497.

Lignin: See also Chemical Conversion.
Annual Review of Lignin Chemistry, Pearl, I. A., 3: 141.
Chemicals from Lignin by Nucleophillic Demethylation, Goheen, D. W., 10: 471.

Logging: See Timber Production.
Logging Cost Analysis In Management Planning, Bruce, R. W., Adams, T. C., 11: 519.
Engineering Safety into the Logging Operation, Pearce, J. K., 11: 516.

Look Ahead at the Industry, Barnett, S., 10: 502.

Look at Wood Engineering Since 1957, Schniewind, A. P., 8: 343.

Lumber Manufacturing: See Mechanical Conversion.

M

MARKETING
An "Outside" Look At Forest Products Research, Baker, M. H., 9: 400.
Building Code Approval for Your Product, Lindsay, Jr., W. H., 4: 180.
Fifteen Years of Forest Products Research — And A Look Ahead At the Next Fifteen, Locke, E. G., 9: 393.
Fire Insurance Rating Bureaus. Purcell, F. X., 4: 177.
Future of Hardwood Utilization, Mersereau, H. S., 7: 302.
In a Competitive Market . . . Five-Ply or Three-Ply Plywood?, Whyte, R. A., 2: 97.
Look Ahead at the Industry, Barnett, S., 10: 502.
Southern Trees by the Billions, Wheeler, P. R., 7: 325.
Varied Aspects of Fair Market Value, MacDonald, K. M., 11: 523.
Well-Dressed Lumber Products Command Consumer Dollars, Haase, J. A., 3: 151.

Maximum Strength Properties for Particleboard, Bryan, E. L., 2: 59.

Microscopy: See also Anatomy & Fundamental Properties.
G Layer in Gelatinous Fibers — Electron Microscopic Studies, Cote, W. A., Jr., and Day, A. C., 7: 333.

Microsections: See also Anatomy & Fundamental Properties.

Shrinkage of Cell Walls and Cell Cavities in Wood Microsections, Ellwood, E. L., and Wilcox, W. W., 5: 235.

Microtensile strength
Variables Affecting Microtensile Strength of Douglas-fir, Ifju, G., and Kennedy, R. W., 5: 213.

MECHANICAL CONVERSION
Dynamic Equilibrium in Veneer Cutting, Hoadley, R. B., 3: 116.
Effect of Resaws on Performance of Circular Headrig Sawmills, Landt, E. F., and Woodfin, Jr., R. O., 4: 172.
Experimental Cut-Off Saw: Design and Operation, Johnston, J. S., 6: 283.
Relationship Between the Cutting Properties of Wood and Its Physical and Mechanical Properties, McKinzie, W. M., 6: 287.
Slicewood: A Promising New Wood Product, Lutz, J. F., Haskell, H. H., and McAlister, R., 5: 218.
Stress Distribution in the Wood Ahead of A Cutting Tool, Mote, Jr., C. D., and Thomsen, E. G., 9: 447.
Theoretical Sawing of Pine Logs — A New Technique for Evaluating Sawing Methods, Peter, Ralph, Bamping, J. H., 11: 549.

Military Standard 414 Procedures Applied to Veneer Thickness, Wylie, A. E., and Cobler, W. E., 6: 277.

Moisture Content of House Framing, Hopkins, W. C., 8: 363.

N

New Approach to Stress Grading of Lumber, Senft, J. F., Suddarth, S. K., and Angleton, H. D., 4: 183.

New Method for Testing Glue Joints of Laminated Timbers in Service, Selbo, M. L., 2: 65.

New Timber Harvester, McDonald, J. K., 11: 12-A.

New Tools Highlight Wood Drying, Millett, R. S., 1: 1.

Nondestructive Testing
Dynamic Strength and Elastic Properties of Wood, James, W. L., 6: 253.
New Approach to Stress Grading of Lumber, Senft, J. F., Suddarth, S. K., and Angleton, H. D., 4: 183.
Rapid, Continuous Method of Testing Glued End Joints, Bolger, R. J., and Rasmussen, C. A., 9: 422.
Selection Efficiencies of Nondestructive Strength Tests, Miller, D. G., 8: 358.

Nucleophilic Demethylation
Chemicals from Lignin by Nucleophilic Demethylation, Goheen, D. W., 10: 471.

O

Organizing a Cost Reduction Program, Wood, O. T., 9: 410.

P

Paper Overlays
Stabilizing Effects of Overlays on Wood, Wangaard, F. F., 5: 228.

Paints and Painting: See also Treatments and Coatings.
Exterior Durability of Factory-Primed Hardboard, Winchester, C. M., 3: 108.
Factory Coated Redwood Sidings, Clausen, V. T., 4: 169.
Requirements for Coatings to Prefinish Fiberboard and Particleboard, Jenuleson, W. R., 12: 585.

Particleboard: See Particle and Fiber Processes.

PARTICLE AND FIBER PROCESSES

Fifteen Years of Forest Products Research — And A Look Ahead At the Next Fifteen, Locke, E. G., 9: 393.

Hardboard
Exterior Durability of Factory-Primed Hardboard, Winchester, C. M., 3: 108.

Overlays
Stabilizing Effects of Overlays on Wood, Wangaard, F. F., 5: 228.

Particleboard
Analysis of Resin Efficiency in Particleboard, Carroll, M., and McVey, D., 7: 305.
How Durable is Particleboard?, Hann, R. A., Black, J. M., and Blomquist, R. F., 12: 577.
Maximum Strength Properties for Particleboard, Bryan, E. L., 2: 59.
Requirements for Coatings to Prefinish Fiberboard and Particleboard, Jenuleson, W. R., 12: 585.

Special Products
Use of Planer Mill Residues in Wood-Fiber Concrete, Huffaker, E. M., 7: 298.
Wood Products As Tablet-Disintegrating Agents, Billups, N. F., and Cooper, B. F., 6: 280.

Permeability of Douglas-Fir Heartwood from Western Washington, Erickson, H. D., and Estep, E. M., 7: 313.

Petroleum Oils
Effect of Petroleum Carrier on Rate of Loss of Pentachlorophenol from Treated Stakes, Baechler, R. H., and Roth, H. G., 4: 187.

Physical Properties of 101 Chinese Woods, Chen, C. L., 7: 339.

Pine
Bacterial Deterioration of Pine Logs in Pond Storage, Knuth, D. T., and McCoy, E., 9: 437.
Chemistry of Western White Pine Bark, Nickles, W. C., and Rowe, J. W., 8: 374.

Plywood: See also Glues and Gluing Processes.
In A Competitive Market . . . Five-Ply or Three-Ply Plywood?, Whyte, R. A., 2: 97.
Gluing Characteristics of Treated Sweetgum Veneer, Thompson, W. S., 9: 431.
Military Standard 414 Procedures Applied to Veneer Thickness, Wylie, A. E., and Cobler, W. E., 6: 277.
Tests of Power-Driven Fasteners for Plywood, Johnson, J. W., and Albert, T. J., 12: 589.
Slicewood: A Promising New Wood Product, Lutz, J. F., Haskell, H. H., and McAlister, R., 5: 218.

Polyethylene Glycol
Protect Imported Carvings With PEG, Mitchell, H. L., and Fobes, E. W., 10: 476.

Potential of the Forced Air-Drying of Northern Hardwoods, Gatslick, H. B., 8: 385.

Preservation: See Treatments and Coatings.

Preservative Treatment of Northern Post Species. I. Use of a Thickened-Oil-Type Ground-Line Preservative, Behr, E. A., 10: 505.

Presteaming
Effect of Presteaming on Seasoning Stain and Drying Rate of Redwood, Ellwood, E. L., and Erickson, R. W., 7: 328.

Prestressing Wood Members, Bohannan, Billy, 12: 596.

PRODUCTION MANAGEMENT
Analysis of Resin Efficiency in Particleboard, Carroll, M., and McVey, D., 7: 305.
Beyond Automation . . . The System Concept, Mater, M. H., 7: 295.
Complete Quality Assurance Program, Huprich, C. A., 9: 419.
Computer Control System at Potlatch Forests, Inc., Linkhart, Robert, 11: 539.
Inspection Practices in European Wood-Laminating Plants, Steinhaus, M., 2: 101.
Logging Cost Analysis In Management Planning, Bruce, R. W., Adams, T. C., 11: 519.
New Approach to Stress Grading of Lumber, Senft, J. F., Suddarth, S. K., and Angleton, H. D., 4: 183.
Organizing a Cost Reduction Program, Wood, O. T., 9: 410.
Rapid, Continuous Method of Testing Glued End Joints, Bolger, R. J., and Rasmussen, C. A., 9: 422.

Progress in Chemical Conversion, Rowe, J. W., 3: 124.

Progress in Glues and Gluing Processes, Blomquist, R. F., 2: 49.

Progress in Wood Preservation, Carter, R. M., 4: 155.

Protect Imported Carvings With PEG, Mitchell, H. L., and Fobes, E. W., 10: 476.

Pyrolysis of Wood
Basic Research on the Pyrolysis and Combustion of Wood, Eickner, H. W., 4: 194.

Q

Quality Control: See also Production Management.
Complete Quality Assurance Program, Huprich, C. A., 9: 419.
Computer Control System at Potlatch Forests, Inc., Linkhart, Robert, 11: 539.

R

Radiation Grafting of Vinyl Monomers to Wood, Kenaga, D. L., Fennessey, J. P., and Stannett, V. T., 4: 161.

Rapid, Continuous Method of Testing Glued End Joints, Bolger, R. J., and Rasmussen, C. A., 9: 422.

Redwood
Effect of Drying Conditions on Durability of California Redwood, Anderson, A. B., Duncan, C. G., and Scheffer, T. C., 7: 311.
Effect of Presteaming on Seasoning, Stain, and Drying Rate of Redwood, Ellwood, E. L., and Erickson, R. W., 7: 328.
Factory Coated Redwood Sidings, Clausen, V. T., 4: 169.
Solvent Drying of California Redwood, Anderson, A. B., Fearing, W. B., and Wilke, C. R., 10: 493.

Reinforced Wood Laminated Beams, Sliker, A., 2: 91.

Relationship Between the Cutting Properties of Wood and Its Physical and Mechanical Properties, McKenzie, W. M., 6: 287.

Requirements for Coatings to Prefinish Fiberboard and Particleboard, Jenuleson, W. R., 12: 585.

Research
An "Outside" Look at Forest Products Research, Baker, M. H., 9: 400.
Basic Research on the Pyrolysis and Combustion of Wood, Eickner, H. W., 4: 194.
Fifteen Years of Forest Products Research — And A Look Ahead At the Next Fifteen, Locke, E. G., 9: 393.
Forest Products in Pakistan, Barefoot, Jr., A. C., 8: 389.
Forest Products Research in the Philippines, Hunt, G. M., 1: 46.
French Technical Center for Tropical Forestry, Devois, J. C., 4: 191.
Research — A Basis for Structural Engineering With Wood, Liska, J. A., 8: 353.
Research on Design of Structural Glued-Laminated Material, Madsen, B., 10: 497.

Restraint in Compression Test of Orthotropic Materials, Kobayashi, S., 10: 489.

Rheology and the Study of Wood, Pentoney, R. E., and Davidson, R. W., 5: 243.

Rough-End Yield Research Program, Thomas, R. J., 11: 536.

S

Seasoning Lumber to Meet Rigid Moisture Specifications, Nelson, D. E., 1: 24.

Selection Efficiencies of Nondestructive Strength Tests, Miller, D. G., 8: 358.

Shelling Failures, Kutscha, N. P., Ethington, R. L., 11: 538.

Shrinkage of Cell Walls and Cell Cavities in Wood Microsections, Ellwood, E. L., and Wilcox, W. W., 5: 235.

Slicewood: A Promising New Wood Product, Lutz, J. F., Haskell, H. H., and McAlister, R., 5: 218.

Snow Loads on Roofs in Canada, Boyd, D. W., 8: 382.

Solvent Drying of California Redwood, Anderson, A. B., Fearing, W. B., and Wilke, C. R., 10: 493.

Some Variables Affecting Microtensile Strength of Douglas-Fir, Ifju, G., and Kennedy, R. W., 5: 213.

Southern Trees By the Billions, Wheeler, P. R., 7: 325.

Stabilization: See also Treatments and Coatings.
Protect Imported Carvings with PEG, Mitchell, H. L., and Fobes, E. W., 10: 476.
Radiation Grafting of Vinyl Monomers to Wood, Kenaga, D. L., Fennessey, J. P., and Stannett, V. T., 4: 161.
Stabilizing Effects of Overlays on Wood, Wangaard, F. F., 5: 228.
Stabilization of Wood: A Review of Current Methods, Stamm, A. J., 4: 158.

Strength: See Anatomy and Fundamental Properties, Drying, and Wood Engineering.

Stress Distribution in the Wood Ahead of A Cutting Tool, Mote, Jr., C. D., and Thomsen, E. G., 9: 447.

Study of the Kiln-Drying of Chemically Seasoned Lumber, Haygreen, J. G., 1: 11.

T

Tensile Properties
Influence of Specific Gravity and Certain Other Factors on the Tensile Properties of Wood, Kellogg, R. M., and Ifju, G., 10: 463.
Tensile Strength Perpendicular to Grain as a Function of Moisture Content in California Black Oak, Schniewind, A. P., 5: 249.
Tests of Power-Driven Fasteners for Plywood, Johnson, J. W., and Albert, T. J., 12: 589.
Theoretical Sawing of Pine Logs — A New Technique for Evaluating Sawing Methods, Peter, Ralph, Bamping, J. H., 11: 549.

TIMBER PRODUCTION

Bacterial Deterioration of Pine Logs in Pond Storage, Knuth, D. T., and McCoy, Elizabeth, 9: 437.
Engineering Safety into the Logging Operation, Pearce, J. K., 11: 516.
Factors Influencing the Wood Quality of Plantation-Grown Slash Pine, Sellers, Jr., T., 9: 443.
Fifteen Years of Forest Products Research — And A Look Ahead At the Next Fifteen, Locke, E. G., 9: 393.
Future of Hardwood Utilization, Mersereau, H. S., 7: 302.
Logging Cost Analysis In Management Planning, Bruce, R. W., Adams, T. C., 11: 519.
New Timber Harvester, McDonald, J. K., 11: 12-A.
Physical Properties of 101 Chinese Woods, Chen, C. L., 7: 339.
Southern Trees by the Billions, Wheeler, P. R., 7: 325.
Vertical Logging with Helicopters —When and How, Binkley, V. W., 11: 513.
Weight-Scaling Sawlog Volume by the Truckload, Freeman, E. A., 10: 473.
Water-Content Variation in the Standing Aspen Tree, Bendtsen, B. A., and Rees, L. W., 9: 426.

TREATMENTS AND COATINGS

Brown Stain
Cause and Control of Brown Stain in Western Hemlock, Evans, R. S., and Halvorson, H. N., 8: 367.

Exterior Finishing
Exterior Durability of Factory-Primed Hardboard, Winchester, C. M., 3: 108.
Factory Coated Redwood Sidings, Clausen, V. T., 4: 169.
Fifteen Years of Forest Products Research — And A Look Ahead At the Next Fifteen, Locke, E. G., 9: 393.

Fire Resistance
Basic Research on the Pyrolysis and Combustion of Wood, Eickner, H. W., 4: 194.

Prefinishing
Requirements for Coatings to Prefinish Fiberboard and Particleboard, Jenuleson, W. R., 12: 585.

Preservation
Construction of a Simple Vacuum-Pressure Cylinder, Markley, J. H., 8: 384.
Effect of Petroleum Carrier on Rate of Loss of Pentachlorophenol from Treated Stakes, Baechler, R. H., and Roth, H. G., 4: 187.
Preservative Treatment of Northern Post Species. I. Use of a Thickened-Oil-Type Ground-Line Preservative, Behr, E. A., 10: 505.
Progress in Wood Preservation, Carter, R. M., 4: 155.
Protect Imported Carvings With PEG, Mitchell, H. L., and Fobes, E. W., 10: 476.
Treated Wood Posts for Wisconsin Roads, State Highway Commission of Wisconsin, 4: 200.

Radiation
Effect of Gamma Radiation on the Toughness of Wood, Loos, W. E., 6: 261.
Radiation Grafting of Vinyl Monomers to Wood, Kenaga, D. L., Fennessey, J. P., and Stannett, V. T., 4: 161.
Stabilization of Wood: A Review of Current Methods, Stamm, A. J., 4: 158.

Treated Veneer
Gluing Characteristics of Treated Sweetgum Veneer, Thompson, W. S., 9: 431.

U

Urea-Formaldehyde Resins Modified with Water-Soluble Blood, Thomas, R. J., and Taylor, F. W., 3: 111.
Use of Planer Mill Residues in Wood-Fiber Concrete, Huffaker, E. M., 7: 298.

V

Varied Aspects of Fair Market Value, MacDonald, K. M., 11: 523.
Vertical Logging with Helicopters — When and How, Binkley, V. W., 11: 513.

W

Waste Utilization: See also Chemical Conversion.
Wood Products as Tablet-Disintegrating Agents, Billups, N. F., and Cooper, B. F., 6: 280.
Use of Planer Mill Residues in Wood-Fiber Concrete, Huffaker, E. M., 7: 298.
Water-Content Variation in the Standing Aspen Tree, Bendtsen, B. A., and Rees, L. W., 9: 426.
Weight-Scaling Sawlog Volume by the Truckload, Freeman, E. A., 10: 473.
Well-Dressed Lumber Products Command Consumer Dollars, Haase, J. A., 3: 151.
Wettability of Wood, Gray, V. R., 9: 452.
Wettability Related to Gluabilities of Five Philippine Mahoganies, Bodig, J., 6: 265.

WOOD ENGINEERING

Construction of a Simple Vacuum-Pressure Cylinder, Markley, J. H., 8: 384.

Engineered Products
Condensation Control in Stressed Skin and Sandwich Panels, Platts, R. E., 9: 429.
Design Criteria for Wood Floor Systems, Williston, E. M., and Abner, T. L., 9: 403.
Faced Poles Make Better Building Frames with Less Labor, Neetzel, J. R., Otis, C. K., 11: 527.
Moisture Content of House Framing, Hopkins, W. C., 8: 363.
Reinforced Wood Laminated Beams, Sliker, A., 2: 91.
Slicewood: A Promising New Wood Product, Lutz, J. F., Haskell, H. H., and McAlister, R., 5: 218.
Snow Loads on Roofs in Canada, Boyd, D. W., 8: 382.
Use of Planer Mill Residues in Wood-Fiber Concrete, Huffaker, E. M., 7: 298.
Fifteen Years of Forest Products Research — And A Look Ahead At the Next Fifteen, Locke, E. G., 9: 393.

Grades and Grading
Military Standard 414 Procedures Applied to Veneer Thickness, Wylie, A. E., and Cobler, W. E., 6: 277.
New Approach to Stress Grading of Lumber, Senft, J. F., Suddarth, S. K., and Angleton, H. D., 4: 183.
New Method for Testing Glue Joints of Laminated Timbers in Service, Selbo, M. L., 2: 65.
Rapid, Continuous Method of Testing Glued End Joints, Bolger, R. J., and Rasmussen, C. A., 9: 422.
Selection Efficiencies of Nondestructive Strength Tests, Miller, D. G., 8: 358.
Look at Wood Engineering Since 1957, Schniewind, A. P., 8: 343.

Mechanical Properties
Dynamic Strength and Elastic Properties of Wood, James, W. L., 6: 253.
Effect of Gamma Radiation on the Toughness of Wood, Loos, W. E., 6: 261.
Influence of Temperature in Creep on Wood, Davidson, R. W., 8: 377.
Maximum Strength Properties for Particleboard, Bryan, E. L., 2: 59.
Prestressing Wood Members, Bohannan, Billy, 12: 596.
Relationship Between the Cutting Properties of Wood and Its Physical and Mechanical Properties, McKenzie, W. M., 6: 287.
Restraint in Compression Test of Orthotropic Materials, Kobayashi, S., 10: 489.
Rheology and the Study of Wood, Pentoney, R. E., and Davidson, R. W., 5: 243.
Some Variables Affecting Microtensile Strength of Douglas-Fir, Ifju, G., and Kennedy, R. W., 5: 213.
Tensile Strength Perpendicular to Grain as a Function of Moisture Content in California Black Oak, Schniewind, A. P., 5: 249.
Research — A Basis for Structural Engineering With Wood, Liska, J. A., 8: 353.

Structural Fastenings
Finger Joints for Structural Usage, Madsen, B., and Littleford, T. W., 2: 68.
High Strength Corner Joints for Wood, Richards, D. B., 9: 413.
Wood Products As Tablet-Disintegrating Agents, Billups, N. F., and Cooper, B. F., 6: 280.
Wood Structure Literature Trends, 1955-62, Cote, Jr., W. A., and deZeeuw, C., 5: 203.

FPRS Author Index . . . Volume XII, 1962

A

Abner, T. L., *see* Williston, E. M.
Adams, T. C., *see* Bruce, R. W.
Albert, T. J., *see* Johnson, J. W.
Anderson, A. B., Duncan, C. G., and Scheffer, T. C., Effect of Drying Conditions on Durability of California Redwood, 7: 311. (No. 2037—$.40)
Anderson, A. B., Fearing, W. B., and Wilke, C. R., Solvent Drying of California Redwood, 10: 493. (No. 1876—$.80)
Angleton, H. D., *see* Senft, J. F.

B

Baechler, R. H., and Roth, H. G., Effect of Petroleum Carrier on Rate of Loss of Pentachlorophenol from Treated Stakes, 4: 187. (No. 1970—$.80)
Baker, M. H., An Outside Look at Forest Products Research, 9: 400. (No. 2088—$.60)
Bamping, J. H., *see* Peter, Ralph
Barefoot, A. C., Forest Products in Pakistan, 8: 389. (No. 2045—$.60)
Barnett, Steel, A Look Ahead at the Industry, 10: 502. (No. 2067—$.60)
Behr, E. A., Preservative Treatment of Northern Post Species. I. Use of a Thickened-Oil-Type Ground-Line Preservative, 10: 505. (No. 2066—$.80)
Bendtsen, B. A., and Rees, L. W., Water-Content Variation in the Standing Aspen Tree, 9: 426. (No. 2029—$.60)
Billups, N. F., and Cooper, B. F., Wood Products as Tablet-Disintegrating Agents, 6: 277. (No. 1990—$.60)
Binkley, V. W., Vertical Logging with Helicopters — When and How, 11: 513. (No. 2080—$.60)
Black, J. M. *see* Hann, R. A.
Blomquist, R. F., Progress in Glues and Gluing Processes, 2: 49. (No. 2012—$1.50)
Blomquist, R. F., *see* Olson, W. Z.
Blomquist, R. F., *see* Hann, R. A.
Bodig, Jozsef, Wettability Related to Gluabilities of Five Philippine Mahoganies, 6: 265. (No. 1972—$1.20)
Bohannan, Billy, Prestressing Wood Members, 12: 596. (No. 3009—$1.40)
Bolger, R. J., and Rasmussen, C. A., A Rapid, Continuous Method of Testing Glued End Joints, 9: 422. (No. 2050—$.80)
Boyd, D. W., Snow Loads on Roofs in Canada, 8: 382. (No. 2036—$.40)
Bruce, R. W., Adams, T. C., Logging Cost Analysis in Management Planning, 11: 519. (No. 2098—$.80)
Bryan, E. L., Dimensional Stability of Particleboard, 12: 572. (No. 3008—$1.00)
Bryan, E. L., Maximum Strength Properties for Particleboard, 2: 59. (No. 1920—$1.20)

C

Carroll, Murray, and McVey, Douglas, An Analysis of Resin Efficiency in Particleboard, 7: 305. (No. 2002—$1.20)
Carter, R. M., Progress in Wood Preservation, 4: 155. (No. 2052—$.60)
Chen, C. L., The Physical Properties of 101 Chinese Woods, 7: 339. (No. 1977—$.80)
Clausen, V. H., Factory Coated Redwood Sidings, 4: 169. (No. 1928—$.60)
Cobler, W. E., *see* Wylie, A. E.
Colbeck, H. G. M., *see* Northcott, P. L.
Cooper, B. F., *see* Billups, N. F.
Cote, W. A., Jr., and deZeeuw, Carl, FPRS Annual Review: Wood Structure Literature Trends, 1955-62, 5: 203. (No. 2035—$1.50)
Cote, W. A., Jr., and Day, A. C., The G Layer in Gelatinous Fibers—Electron Microscopic Studies, 7: 333. (No. 2028—$1.20)

D

Dadswell, H. E., World Wide Forest Products News: The Australian Division of Forest Products, 11: 558. (No. 3026—$.60)
Davidson, R. W., The Influence of Temperature in Creep on Wood, 8: 377. (No. 2030—$1.50)
Davidson, R. W., *see* Pentoney, R. E.
Day, A. C., *see* Cote, W. A., Jr.
Devois, J. C., The French Technical Center for Tropical Forestry, 4: 191. (No. 1995—$.60)
deZeeuw, Carl, *see* Cote, W. A., Jr.
Duncan, C. G., *see* Anderson, A. B.

E

Eickner, H. W., Basic Research on the Pyrolysis and Combustion of Wood, 4: 194. (No. 2010—$1.20)
Ellis, E. L., Inorganic Constituents of Wood, 6: 271. (No. 1938—$.80)
Ellwood, E. L., and Erickson, R. W., Effect of Presteaming and Seasoning Stain on Drying Rate of Redwood, 7: 328. (No. 2003A—$1.00)
Ellwood, E. L., and Wilcox, W. W., The Shrinkage of Cell Walls and Cell Cavities in Wood Microsections, 5: 235. (No. 1919—$1.60)
Erickson, H. D., and Estep, E. M., Permeability of Douglas-fir Heartwood from Western Washington, 7: 313. (No. 1987—$1.50)
Erickson, R. W., *see* Ellwood, E. L.
Estep, E. M., *see* Erickson, H. D.
Ethington, R. L. *see* Kutscha, N. P.
Evans, R. S., and Halvorson, H. N., Cause and Control of Brown Stain in Western Hemlock, 8: 367. (No. 2042—$1.40)

F

Fearing, W. B., *see* Anderson, A. B.
Fennessey, J. P., *see* Kenaga, D. L.
Fobes, E. W., *see* Mitchell, H. L.
Freeman, E. A., Weigh-Scaling Sawlog Volume by the Truckload, 10: 473. (No. 2097—$.60)

G

Gatslick, H. B., The Potential of the Forced Air-Drying of Northern Hardwoods, 8: 385. (No. 2062—$.80)
Goheen, D. W., Chemicals from Lignin by Nucleophilic Demethylation, 10: 471. (No. 3025—$.60)
Gray, V. R., The Wettability of Wood, 9: 452. (No. 2033—$1.50)

H

Haase, J. A., Well-Dressed Lumber Products Command Consumer Dollars, 3: 151. (No. 1988—$.80)
Halvorson, H. N., *see* Evans, R. S.
Hancock, W. V., *see* Northcott, P. L.
Hann, R. A., Black, J. M., and Blomquist, R. F., How Durable is Particleboard?, 12: 577. (No. 3029—$1.60)
Harris, J. F., *see* McKibbins, S. W.
Haskell, H. H., *see* Heebink, B. G.
Haskell, H. H., *see* Lutz, J. F.
Haygreen, J. G., A Study of the Kiln-Drying of Chemically Seasoned Lumber, 1: 11. (No. 1866—$1.20)
Heebink, B. G., Haskell, H. H., Effect of Heat and Humidity on the Properties of High-Pressure Laminates, 11: 542. (No. 3028—$1.40)
Hoadley, R. B., Dynamic Equilibrium in Veneer Cutting, 3: 116. (No. 1973—$1.50)
Hopkins, W. C., Moisture Content of House Framing, 8: 363. (No. 2063—$.80)
Huffaker, E. M., Use of Planer Mill Residues in Wood-Fiber Concrete, 7: 298. (No. 2022—$.80)
Hunt, G. M., Forest Products Research in the Philippines, 1: 46. (No. 1976—$.60)
Huprich, C. A., A Complete Quality Assurance Program, 9: 419. (No. 2056—$.60)

I

Ifju, Geza, and Kennedy, R. W., Some Variables Affecting Microtensile Strength of Douglas-fir, 5: 213. (No. 1968—$1.00)
Ifju, Geza, *see* Kellogg, R. M.

J

James, W. L., Dynamic Strength and Elastic Properties of Wood, 6: 253. (No. 1993—$1.50)
Jenuleson, W. R., Requirements for Coatings to Prefinish Fiberboard and Particleboards, 12: 585. (No. 2092—$.80)
Johnson, J. W., and Albert, T. J., Tests of Power-Driven Fasteners for Plywood, 12: 589. (No. 3017—$1.40)
Johnston, J. S., Experimental Cut-Off Saw: Design and Operation, 6: 283. (No. 2013—$.80)

K

Kauman, W. G., Kinetics of Changes in Acidity During Thermal Degradation of Wood from Three Australian Species, 6: 275. (No. 1960—$.80)
Kellogg, R. M., and Ifju, Geza, Influence of Specific Gravity and Certain Other Factors on the Tensile Properties of Wood, 10: 463. (No. 3020—$1.50)
Kenaga, D. L., Fennessey, J. P., and Stannett, V. T., Radiation Grafting of Vinyl Monomers to Wood, 4: 161. (No. 1989—$1.50)
Kennedy, R. W., *see* Ifju, Geza.
Kersavage, P. C., *see* Schniewind, A. P.
Knauss, A. C., Determining Seasoning Degrade in Kiln Drying Western Softwoods, 1: 34. (No. 1923—$1.00)

Knuth, D. T., and McCoy, Elizabeth, Bacterial Deterioration of Pine Logs in Pond Storage, 9: 437. (No. 1982—$1.20)
Kobayashi, Shiro, Restraint in Compression Test of Orthotropic Materials, 10: 489. (No. 2064—$.80)
Kutscha, N. P., Ethington, R. L., Shelling Failures, 11: 538. (No. TN-1—$.20)

L

Landt, E. F., and Woodfin, R. O., Jr., Effect of Resaws on Performance of Circular Headrig Sawmills, 4: 172. (No. 1943—$1.00)
Lindsay, W. H., Jr., Building Code Approval for Your Product, 4: 180. (No. 2015—$.60)
Linkhart, Robert, A Computer Control System at Potlatch Forests, Inc., 11: 539. (No. 3032—$.60)
Liska, J. A., Research—A Basis for Structural Engineering With Wood, 8: 353. (No. 2081—$1.00)
Littleford, T. W., *see* Madsen, Borg.
Locke, E. G., Fifteen Years of Forest Products Research—And A Look Ahead at the Next Fifteen, 9: 393. (No. 2084—$1.40)
Loos, W. E., Effect of Gamma Radiation on the Toughness of Wood, 6: 261. (No. 1979—$.80)
Lutz, J. F., Haskell, H. H., and McAlister, R., Slicewood: A Promising New Wood Product, 5: 218. (No. 2032—$1.50)

M

MacDonald, K. M., The Varied Aspects of Fair Market Value, 11: 523. (No. 2078—$.80)
Madsen, Borg, Research on Design of Structural Glued-Laminated Material, 10: 497. (No. 2083—$1.00)
Madsen, Borg, and Littleford, T. W., Finger Joints for Structural Usage, 2: 68. (No. 1958—$1.20)
Maldonado, E. D., and Peck, E. C., Drying by Solar Radiation in Puerto Rico, 10: 487. (No. 2059—$.80)
Markley, J. H., Construction of a Simple Vacuum-Pressure Cylinder, 8: 384. (No. TN3—$.20)
Maroney, W. H., Azeotropic Drying of Hardwood Lumber, 1: 7. (No. 1994—$.80)
Marra, A. A., Geometry as an Independent Variable in Adhesive Joint Studies, 2: 81. (No. 1881—$1.50)
Mater, M. H., Beyond Automation—the System Concept, 7: 295. (No. 2071—$.60)
McAlister, R., *see* Lutz, J. F.
McCoy, Elizabeth, *see* Knuth, D. T.
McDonald, J. K., New Timber Harvester, 11: 12-A. (No. 3047-A—$.60)
McKenzie, W. M., The Relationship Between the Cutting Properties of Wood and Its Physical and Mechanical Properties, 6: 287. (No. 1984—$1.50)
McKibbons, S. W., Harris, J. F., Saeman, J. F., and Neill, W. K., Chemical Conversion of Wood Residues, Part V: Kinetics of the Acid Catalyzed Conversion of Glucose to 5-Hydroxymethyl-2-Furaldehyde and Levulinic Acid, 1: 17. (No. 1951—$1.40)
McVey, Douglas, *see* Carroll, Murray.
Mersereau, H. S., The Future of Hardwood Utilization, 7: 302. (No. 1991—$.60)
Miller, D. G., Selection Efficiencies of Nondestructive Strength Tests, 8: 358. (No. 2040—$1.00)
Millett, R. S., FPRS Annual Review: New Tools Highlight Wood Drying, 1: 1. (No. 2000—$1.20)
Mitchell, H. L., and Fobes, E. W., Protect Imported Carvings With PEG, 10: 476. (No. 3043—$.40)
Mote, C. D., Jr., and Thomsen, E. G., Stress Distribution in the Wood Ahead of a Cutting Tool, 9: 447. (No. 2041—$1.00)

N

Neetzel, J. R., Otis, C. K., Faced Poles Make Better Building Frames with Less Labor, 11: 527. (No. 2070—$.80)
Neill, W. K., *see* McKibbons, S. W.
Nelson, D. E., Seasoning Lumber to Meet Rigid Moisture Specifications, 1: 24. (No. 1889—$1.00)
Nickles, W. C., and Rowe, J. W., Chemistry of Western White Pine Bark, 8: 374. (No. 2020—$.60)
Northcott, P. L., Hancock, W. V., and Colbeck, H. G. M., Water Relations in Phenolic (Plywood) Bonds, 10: 478. (No. 2039—$1.50)

O

Olson, W. Z., and Blomquist, R. F., Epoxy Resin Adhesives for Gluing Wood, 2: 74. (No. 1978—$1.40)
Otis, C. K., *see* Neetzel, J. R.

P

Pankevicius, E. R., Collapse Intensity in Two Eucalypts After Treatment With Hydrochloric Acid and Sodium Chloride Solutions, 1: 39. (No. 1957—$.80)
Pearce, J. K., Engineering Safety into the Logging Operation, 11: 516. (No. 2079—$.60)
Pearl, I. A., Annual Review of Lignin Chemistry, 3: 141. (No. 1998—$1.50)
Peck, E. C., Drying 4/4 Red Oak by Solar Heat, 3: 103. (No. 1999—$1.00)
Peck, E. C., *see* Maldonado, E. D.
Pentoney, R. E., and Davidson, R. W., Rheology and the Study of Wood, 5: 243. (No. 1942—$1.20)
Peter, Ralph, Bamping, J. H., Theoretical Sawing of Pine Logs — A New Technique for Evaluating Sawing Methods, 11: 549. (No. 3031—$1.50)
Platts, R. E., Condensation Control in Stressed Skin and Sandwich Panels, 9: 429. (No. 2082—$.40)
Purcell, F. X., Fire Insurance Rating Bureaus, 4: 177. (No. 2009—$.60)

R

Rasmussen, C. A., *see* Bolger, R. J.
Rees, L. W., *see* Bendtsen, B. A.
Richards, D. B., High Strength Corner Joints for Wood, 9: 413. (No. 1904—$1.20)
Rowe, J. W., *see* Nickles, W. C.
Robertson, F. C. F., The Commonwealth Forestry Bureau, Oxford, England, 10: 509. (No. 2078—$.80)
Roth, H. G., *see* Baechler, R. H.
Rowe, J. W., FPRS Annual Review: Progress in Chemical Conversion, 3: 124. (No. 2004—$1.50)

S

Saeman, J. F., *see* McKibbons, S. W.
Scheffer, T. C., *see* Anderson, A. B.
Schniewind, A. P., A Look At Wood Engineering Since 1957, 8: 343. (No. 2081—$1.50)
Schniewind, A. P., Tensile Strength Perpendicular to the Grain as a Function of Moisture Content in California Black Oak, 5: 249. (No. 2027—$.80)
Schniewind, A. P., and Kersavage, P. C., Influence of Rate of Drying and Rewetting on the Dimensional Changes of California Black Oak, 1: 29. (No. 1965—$1.00)
Selbo, M. L., A New Method for Testing Glue Joints of Laminated Timbers in Service, 2: 65. (No. 1986—$.60)
Sellers, Terry, Jr., Factors Influencing the Wood Quality of Plantation-Grown Slash Pine, 9: 443. (No. 2051—$.80)
Senft, J. F., Suddarth, S. K., and Angleton, H. D., A New Approach to Stress Grading of Lumber, 4: 183. (No. 1992—$.80)
Sliker, Alan, Reinforced Wood Laminated Beams, 2: 91. (No. 1903—$1.20)
Stamm, A. J., Stabilization of Wood: A Review of Current Methods, 4: 158. (No. 2017—$.60)
Stannett, V. T., *see* Kenaga, D. L.
Steinhaus, Max, Notes on Inspection Practices in European Plants, 2: 101. (No. 2014—$.40)
Suddarth, S. K., *see* Senft, J. F.

T

Tarkow, H., *see* Yokota, T.
Taylor, F. W., *see* Thomas, R. J.
Thomas, R. J., and Taylor, F. W., Urea-Formaldehyde Resins Modified with Water-Soluble Blood. 3: 111. (No. 1980—$1.00)
Thomas, R. J., The Rough-End Yield Research Program, 11: 536. (No. TN-4—$.40)
Thompson, W. S., Gluing Characteristics of Treated Sweetgum Veneer, 9: 431. (No. 2038—$1.20)
Thomsen, E. G., *see* Mote, C. D., Jr.

V

Verrall, A. F., Condensation in Air-Cooled Buildings, 11: 531. (No. 3023—$1.20)

W

Wangaard, F. F., Stabilizing Effects of Overlays on Wood, 5: 228. (No. 1998A—$1.40)
Wheeler, P. R., Southern Trees by the Billions, 7: 325. (No. 1997—$.60)
Whyte, R. A., In a Competitive Market—Five-Ply or Three-Ply Plywood?, 2: 97. (No. 1884—$.80)
Wilcox, W. W., *see* Ellwood, E. L.
Winchester, C. M., Exterior Durability of Factory-Primed Hardboard, 3: 108. (No. 1893—$.60)
Wilke, C. R., *see* Anderson, A. B.
Williston, E. M., and Abner, T. L., Design Criteria for Wood Floor Systems, 9: 403. (No. 2073—$1.40)
Wood, O. T., Organizing a Cost Reduction Program, 9: 410. (No. 2073—$.60)
Woodfin, R. O., Jr., *see* Landt, E. F.
Wylie, A. E., and Cobler, W. E., Military Standard 414 Procedures Applied to Veneer Thickness, 6: 277. (No. 1969—$.60)

Y

Yokota, T. and Tarkow, H., Changes in Dimension on Heating Green Wood, 1: 43. (No. 1985—$.60)

FOREST PRODUCTS RESEARCH SOCIETY